United States Environmental Protection Agency
EPA New England
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May 13, 2004

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Mayor Ruberto, City of Pittsfield
Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

RE: April 2004 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the April 2004 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.
Sincerely,

Dean Tagliaferro
1.5 Mile Reach Removal Action Project Manager

1. Overview

During April 2004, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included backfilling activities in Cells 14 and 15. The installation of the wood façade onto the anchored sheetpile retaining wall in Cell 14E was initiated. Activities associated with the installation of the pipe restraint system for the second part of Phase II (600 feet downstream of the Elm Street Bridge to the Dawes Avenue Bridge) were initiated. The repairs of the 24-inch storm water drainage pipe on Parcel I8-23-6 were completed. In addition, transfer of TSCA materials from the stockpile management areas to the GE On Plant Consolidation Areas (OPCAs) was performed. Also, transfer of non-TSCA materials from the stockpile management areas to approved off-site facility was performed.

2. Chronological description of tasks performed

Refer to Figure 1 for an orientation of the excavation cells and their respective locations.

By the end of March 2004, backfill activities in Cells 14 and 15 were initiated. Due to the heavy rains during the last week of March, Cells 14 and 15 were flooded, therefore the backfill activities were put on hold. During the first week in April Cells 14 and 15 remained flooded. Repair activities to the riverbank erosion controls such as installation of additional poly and sand bags were completed.

Also, during the first week in April, installation of the wood façade onto the anchored sheetpile retaining wall was initiated. The activities begun by installing the wood whaler onto the anchored wall needed for the vertical wood façade.

Activities associated with the installation of the pipe restraint system for the second part of Phase II (600 feet downstream of the Elm Street Bridge to the Dawes Avenue Bridge) were initiated. The efforts begun with the installation of H-piles for the future tie off of the 54-inch pipe, the H-piles were installed in 100-foot increments along the High Street, Deming Street and Caledonia Street riverbanks. Also, fabrication of steel tie backs for the pipe restraint system was initiated.

Removal of water treatment system modutank sediment continued. The sediment from the modutanks was removed and placed into roll off boxes. The mixing of the Portland cement with the material was then initiated. The cement was necessary for thickening of the material for transportation purposes.

During the second week of April Cells 14 and 15 were still flooded and backfill activities remained on hold.

The installation of the wood façade onto the anchored sheetpile retaining wall continued with the installation of vertical wood façade.

Activities associated with the installation of the pipe restraint system for the second part of Phase II continued. Nine H-piles were installed on the west side of the river and eighteen H-piles on the east side for the future tie off of the 54-inch pipe. The fabrication of steel tie backs for the pipe restraint system continued.

Also, during the second week of April, the removal of sediment from the water treatment system modutanks continued. The sediment from the modutanks was removed, placed into roll off boxes and mixed with Portland cement for thickening purposes. Transportation of the thickened material to Building 68 stockpile management area was initiated.

Other activities during the second week of April included miscellaneous site cleanup activities, removal of debris from the temporary dam trash racks, and demobilization and decontamination of all the heavy equipment associated with the repair and reinforcement activities of the crib wall on Parcel I8-10-5.

During the third week of April, the 24-inch storm water outfall repairs on Parcel I8-23-6 were initiated. A temporary access road was built along the riverbank to access the area of the damaged outfall pipe. The temporary fence was removed, one vacuum cleaner was disconnected and removed, and the asphalt within the paved area was cut and removed. All the recently placed riverbank backfill material was excavated and stockpiled for re-use during the post pipe repair restoration work. The excavation activities to expose the damaged outfall pipe were initiated. Based on the historical PCB data available for the area where the outfall pipe was located, the excavated material was considered non-TSCA. Twenty nine truck loads (approximately 290cy) of material was excavated and transported to Area 64D stockpile management area. (See Table 1 for quantities of material generated in the month of April 2004 and Table 2 for quantities of material generated to date).

The existing pipe, which was severely corroded and partially collapsed, was removed. The excavation bottom was re-graded, compacted and processed gravel was installed as sub-base material. A new 24-inch RCP pipe was installed at an elevation designated by survey sub-contractor. During the installation of the new pipe it was observed that the terracotta pipe to which the new pipe was to be connected was in substandard condition. The City of Pittsfield Public Works Department was notified to inspect the pipe. It was agreed upon that any additional repairs, if any, to the remaining terracotta pipe would not be EPA's responsibility. The City also concurred with the EPA's proposed design connection with the existing terracotta pipe. A 3-foot section of M12 ABS corrugated pipe was installed around the end of the existing terracotta pipe, both pipes were connected to the newly installed manhole and backfilling and compaction activities continued.

Surveying activities were initiated in the second part of Phase II beginning with marking out the top of bank limit of work down to the Dawes Avenue Bridge. Tree clearing and grubbing activities were initiated in the second part of Phase II. The tree clearing was done in the area adjacent to the temporary access road of Deming Street in preparation for the future load-out area and a clean material staging area.

Also, during the third week in April, the installation of the vertical wood façade paneling onto the anchored sheetpile retaining wall continued. Also, inserting of the drainage weep holes in the anchored wall was completed. Two-inch stone was placed along the anchored wall below the weep holes. The installation of the façade coping was initiated.

The installation a rip rap swale on the west riverbank in Cell 13, adjacent to Parcel I8-24-1 was completed. The swale was necessary to prevent riverbank erosion caused by parking lot runoff. One truck load (approximately 10cy) of non-TSCA material was generated during the swale installation activities and transported to Area 64D stockpile management area.

The activities associated with the removal of the water treatment system modutank sediment were completed. The sediment from the modutanks was removed, placed into roll off boxes and mixed with Portland cement for thickening purposes. Transporting of the thickened material to Building 68 stockpile management area was completed.

On April 16, 2004 the river flows started to recede, stop logs were placed onto the temporary dam and dewatering of the riverbed downstream of the dam was completed. The poly, storm debris, sand bags and concrete bin blocks holding down the poly were removed from the riverbanks on the east side of the river. Two truckloads (approximately 20cy) of poly and the storm debris were removed and transported to Building 65 stockpile management area. The earthen dam located upstream of the 54-inch pipe outfall was reconstructed using poly, concrete bin blocks and filter stone.

By the end of March 2004, the backfilling activities were underway in Cells 14 and 15; however due to the flooding conditions were discontinued. Once Cells 14 and 15 were dewatered on April 16, 2004 backfilling activities continued on the east side of the riverbank and riverbed in Cells 14 and 15. The areas of the riverbed and riverbank (first 185 feet of Cell 14) where the Articulated Concrete Block (ACB) was to be placed were backfilled with a layer of structural fill to top elevation between 974.2 and 975.5. The remaining 345 feet of the riverbank will be backfilled with common fill or structural fill, a six inch layer filter material and an 18-inch layer of 12-inch rip rap up to either elevation 973 or 974.2. The remaining 345 feet of the riverbed in Cells 14 and 15 will be backfilled with a layer of filter material in low lying areas followed by a layer of 12-inch rip rap. Areas of the riverbed where bedrock was encountered at very shallow depths will be left with the bedrock exposed.

Other activities during the third week of April included miscellaneous site cleanup activities, silt fence repairs and access road repairs. Repairs to the access ramp into the river channel in Cell 13 were completed. Support spuds were added to the crane mat ramp over the 54-inch pipe and the rip rap ramp was reconstructed.

During the fourth week of April, backfilling activities on the east side of Cells 14 and 15 continued. The placement of the structural fill, grading and compaction in the first 185 feet of the riverbed and riverbank was completed. Those areas of the riverbed and riverbank were then covered with geotextile, ACB was placed and Polyethylene (PET) cable was installed between the blocks. The ACB was then anchored with Manta Ray Anchors. The anchors were hammered down to a depth of approximately three feet and pulled in place by using a hydraulic force of approximately 1.5 to 2.5 tons. The anchors were locked in place, cut below the top of

ACB, and grout was then applied to attach each anchor to the ACB. At the upstream interface of the ACB and the rip rap, the ACB was anchored down with a two-foot layer of concrete. The installation of the backfill in the remaining 345 feet of the riverbed and riverbank was completed as well. The riverbank was backfilled with common fill or structural fill, a six inch layer filter material and an eighteen inch layer of 12-inch rip rap up to either elevation 973 or 974.2. The remaining 345 feet of the riverbed in Cells 14 and 15 was backfilled with a layer of filter material in low lying areas followed by a layer of 12-inch rip rap. Areas of the riverbed where bedrock was encountered at very shallow depths was left with the bedrock exposed. Backfilling of the riverbank above the ACB (elevation 974.2 and 975.5) and above the rip rap (elevation 973 or 974.2) was initiated. The riverbank in those areas was backfilled with common fill in one – foot lifts, compacted and tested to meet the 90% compaction requirement.

Once the east side of Cells 14 and 15 riverbed and lower riverbank were backfilled, the relocation of the 54-inch pipe was completed to the east side of the river channel. A layer of sand was placed on top of the ACB in the riverbed to assist with sliding and to prevent damage to the 54-inch pipe during the relocation. Once the 54-inch pipe was relocated and secured to the pipe restraint system, preparation work for backfilling of the west side of the riverbed and riverbanks was completed. The poly, storm debris, sand bags and concrete bin blocks holding down the poly were removed from the riverbanks on the west side of the river. During the removal of the poly it was discovered that some riverbank erosion has occurred during the dam overtopping. The eroded material was removed from the riverbed. Five truckloads (approximately 50cy) of poly, storm debris and eroded material were removed and transported to Area 64D stockpile management area. Backfilling activities of the riverbed and riverbanks on the west side of Cells 14 and 15 were initiated.

The 24-inch storm water outfall repairs on Parcel I8-23-6 continued. The area of the pipe repair on the top of the parking lot was backfilled with structural fill, compacted in six–inch lifts to meet the 90% compaction requirements. The excavation area on the riverbank was backfilled with common fill and a new layer of cellular geoweb was installed on the riverbank. The previously removed and stockpiled rip rap was placed back on the riverbank. A concrete footing was poured for the vacuum and the electrical lines were reconnected. The area was prepared for paving. All the clean up and remaining excavated material was transported to Area 64D stockpile management area (approximately 2.5cy).

The installation of the vertical wood façade paneling onto the anchored sheetpile retaining wall continued. The installation of the façade coping was completed, additional steel plates were installed at the joints of the coping to ensure stability.

Other activities during the fourth week of April included miscellaneous site cleanup activities. Removal of debris from the temporary dam trash racks was completed. The riverbank erosion around the temporary dam trash racks caused by the high river flows was repaired. Additional 18-inch rip rap was placed around the trash racks as temporary erosion control to prevent any further erosion.

The survey contractor continued to perform topographical surveys and laying out the top of bank limit of work on the riverbanks in the remainder of Phase II.

During the last week of April, the backfilling activities continued in Cells 14W and 15W. However on April 26, 2004 due to the high river flows and forecasted rain, all equipment was removed from Cells 14 and 15. The stop logs were removed from the temporary dam and the area downstream of the dam was flooded. By April 28, 2004 the water levels receded, stop logs were added to the dam and dewatering of Cells 14 and 15 was completed. Once the dewatering was done, backfilling activities were re-started. The placement of the structural fill, grading and compaction in the first 185 feet of the riverbed and riverbank was completed and the installation of the ACB was initiated. Geotextile and ACB with PET cable between the blocks were installed. The ACB was then anchored with Manta Ray anchors. Backfilling activities were initiated in the remaining 345 feet of the riverbed and riverbanks in Cells 14 and 15.

Backfilling also continued on the east riverbanks in Cells 14 and 15, common fill, topsoil, herbaceous seed and biodegradable erosion control matting were placed on the riverbanks above the ACB and the rip rap. The areas with steep riverbank in Cell 15E were restored at 1.5H:1V slope and stabilized with cellular geoweb.

The 24-inch storm water outfall repairs on Parcel I8-23-6 continued. The cellular geoweb was backfilled with a layer of topsoil. Herbaceous seed and biodegradable erosion control matting were placed and the area was replanted with trees and shrubs. The re-installation of the vacuum cleaner was completed. The temporary fence was re-installed on the riverbank of the area. A 2.5-inch base coat of paving was installed on the parking lot of the area affected by the pipe repair. Per agreement with the property owner of Parcel I8-23-6, the final coat of paving will be installed at the later date. The temporary access road which was built for the outfall repair purposes will be left in place and used during the spring 2004 planting activities.

Also, during the last week in April, Arborvitae stump removal and preparatory trenching for spring 2004 Arborvitae planting on Parcel I8-23-6 was completed. The existing PCB data was reviewed for the area that was trenched. The data revealed that there was both non-TSCA and TSCA material that was present within the trenching zone. The non-TSCA material (approximately 40cy) was removed and transported to Area 64D stockpile management area and the TSCA material (approximately 60cy) was removed and transported to Building 63 stockpile management area. The trench was then backfilled with topsoil for planting purposes.

The installation of the vertical wood façade paneling onto the anchored sheetpile retaining wall continued.

Other activities during the last week of April included activities associated with completing miscellaneous left over items on the re-built Crib Wall concrete wall and the anchored retaining wall. This included, completing the anchor grouting, installing the joint filler, grouting the soil nails and pressure load testing on selected soil nails on the Crib Wall. Testing of the two anchors on the return wall of the anchored retaining wall was completed.

During the month of April, the water treatment system treated water from Cells 14 and 15. Sampling of the water treatment system for parameters included in the NPDES exclusion permit was performed on April 21, 2004. Since there was no presence of NAPL in Cells 14 and 15, the analytical parameters for the water treatment system sampling included PCBs only. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were

performed on a daily basis during the month of April. The monthly PCB air-monitoring event was performed on April 21, 2004. Surface water sampling for total suspended solids (TSS) and PCBs was performed on April 07, 2004 and April 21, 2004. Confirmatory PCB wipe samples were collected on decontaminated equipment. One eight-point composite disposal characterization sample was collected on April 06, 2004 from the water treatment system modutank sediment prior to the thickening of the material with the Portland cement. The thickened modutank material is currently stockpiled in Building 68.

In-situ disposal characterization sampling of riverbanks from the rest of Phase II was completed. Fifteen eight-point composite samples were collected from April 14, 2004 to April 27, 2004 for future offsite disposal. The samples were collected to be analyzed for PCBs, TCLP and physical characteristics.

Geotechnical samples were collected for structural fill, common fill, sand and topsoil. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

Verizon Telephone Company completed the utility relocation work on High Street to allow Phase II remediation activities to continue.

Conditions and settlement surveys on structures located near the proposed remediation areas in the rest of Phase II were competed.

The transfer of TSCA materials from the Building 65, Area 64C south and Building 63 stockpile management areas to the Building 71 OPCA was performed from April 28, 2004 to April 30, 2004. (See Table 3 for a summary of material transported to the OPCAs during the month of April 2004 and Table 4 for a summary of material transported to the OPCAs for the project through April 2004).

In addition, the Cell 14 and 15 non-TSCA riverbank and riverbed excavated materials were transported from Building 65 and Building 68 to the Waste Management of New Hampshire-TREE, Rochester, NH on April 26, 2004 and April 27, 2004. (See Table 5 for a summary of material transported to the Waste Management of New Hampshire-TREE, Rochester, NH during the month of April 2004).

Stockpile management area activities continued throughout the month of April. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68. Dust control procedures continued for access roads, parking areas, and material storage areas.

Traffic control was conducted on Lyman Street, High Street and Elm Street during the month of April.

3. Sampling/test results received

The PCB sample results for the water treatment system sampling program were received for samples collected on April 21, 2004 and are summarized in Table 6; Table 6a presents the non-PCB sample results collected on March 23, 2004. The results of the daily particulate air monitoring program are summarized in Table 7. Table 8 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on April 07, 2004 and April 21, 2004 are presented in Table 9. Table 10 contains PCB data associated with equipment confirmatory wipe samples. A summary of samples collected for the air sampling conducted on April 21, 2004 are provided in Table 11; however the PCB data is not yet available. Analytical results for water treatment system modutank sediment characterization samples collected on April 06, 2004 (Building 68 stockpile) are presented in Table 12.

4. Diagrams associated with the tasks performed

Figure 1 is a map of Phase 1, the Transition Phase and the beginning of Phase 2 and includes layout of all excavation cells, temporary dam, lot parcel identification numbers, water monitoring locations, air sampling locations, access road locations, fence line location, the water treatment system pad location, the effluent discharge location, and the utility trench location.

5. Reports received and prepared

Vibration monitoring activities were not performed during the month of April.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in May 2004

- Continue utility relocation activities on the riverbanks from Elm Street Bridge to Dawes Avenue Bridge.
- Complete backfill activities in Cells 14 and 15.
- Complete the installation of the wood façades on the anchored and the cantilevered sheetpile retaining walls.
- Complete the installation of the guard rail on Parcel I8-23-6.
- Complete the installation of the Arborvitaes hedge wall on Parcel I8-23-6.
- Initiate the tree and shrub installation on the riverbanks in the Transition Phase and Phase II (600 foot stretch).
- Initiate the repairs and repaving activities on the parking lots of Parcels I8-10-5 and Parcel I8-10-4.
- Initiate fencing and tree clearing activities of the riverbanks in the rest of Phase II.
- Continue stockpile management activities at Buildings 63, 65, 68 and the Area 64 (outside contaminated material stockpile area).
- Complete transfer of Cell 14 and 15 non-TSCA materials from the stockpile management areas to approved off-site facilities.
- Complete transfer of the water treatment system Modutank sediment material from the stockpile management areas to approved off-site facility.
- Continue to transfer TSCA and non-TSCA cobble material to the OPCAs.
- Continue daily air and turbidity monitoring.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed).

8. Attachments to this report

Table 1. Quantity of Bank and Sediment Material Excavated During the Month of April

Table 2. Quantity of Bank and Sediment Material Excavated to Date

Table 1 - Quantity of Bank and Sediment Material Generated During the Month of April
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**
Bank Soil and Sediment				
4/6/2004	Modutank	0	0	40
4/12/2004	Cell 13W	5	0	0
4/12/2004	Outfall Pipe Repair (Parcel I8-23-6)	60	0	0
4/12/2004	Modutank	0	0	10
4/13/2004	Outfall Pipe Repair (Parcel I8-23-6)	20	0	0
4/14/2004	Outfall Pipe Repair (Parcel I8-23-6)	120	0	0
4/15/2004	Modutank	0	0	40
4/15/2004	Outfall Pipe Repair (Parcel I8-23-6)	80	0	0
4/16/2004	Outfall Pipe Repair (Parcel I8-23-6)	10	0	0
4/16/2004	Cell 14 & 15 Poly and Debris	20	0	0
4/20/2004	Outfall Pipe Repair (Parcel I8-23-6)	2.5	0	0
4/23/2004	Cell 14 & 15	50	0	0
4/27/2004	Trench/Stump removal (Parcel I8-23-6)	40	0	0
4/28/2004	Trench/Stump removal (Parcel I8-23-6)	0	60	0
	Monthly total from bank soil and sediment	**343**	**60**	**90**

Note:
All quantities are in compacted or “in-place” cubic yards. All loads are estimated at 10cy per truck.

Table 2 - Quantity of Bank and Sediment Material Excavated to Date
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**	**Total**
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/18/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
	Total	**27,200**	**5,886**	**2,877**	**35,963**

Note:
All quantities determined by pre- and post- excavation surveying.

Table 3 - Quantity of Material Transferred to OPCAs During the Month of April
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**# of truckloads**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Bank Soil and Sediment			
4/28/2004	22	0	242
4/29/2004	29	0	319
4/30/2004	24	0	264
Monthly totals	**75**	**0**	**825**

Note:
All quantities are in compacted or “in-place” cubic yards.
(1) Estimated at 11 cy per truck

Table 4 - Quantity of Material Transferred to OPCAs to Date
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**Location**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77(3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
	Project Totals	**23,172**	**7,158**

Note:
All quantities are in compacted or “in-place” cubic yards.
(1) Estimated at 14cy per truck, loaded with excavator.
(2) Estimated at 11cy per truck due to loading out frozen material.
(3) Estimated at 11cy per truck, loaded with front end loader.
(4) Estimated at 8cy per truck

Table 5 - Quantity of non-TSCA Material Transported to Waste Management of New Hampshire-TREE, Rochester, N.H.
During the Month of April
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in tons)

Date Shipped	Doc. Number	Net Weight (Tons) (1)
04/26/04	0081WMNH	31.38
04/26/04	0082WMNH	31.77
04/26/04	0083WMNH	29.11
04/26/04	0084WMNH	34.21
04/26/04	0085WMNH	27.27
04/26/04	0086WMNH	29.97
04/26/04	0087WMNH	29.73
04/26/04	0088WMNH	26.83
04/27/04	0089WMNH	30.36
04/27/04	0090WMNH	29.83
04/27/04	0091WMNH	30.40
04/27/04	0092WMNH	28.41
04/27/04	0093WMNH	31.53
04/27/04	0094WMNH	31.30
04/27/04	0095WMNH	31.92
04/27/04	0096WMNH	25.76
04/27/04	0097WMNH	31.17
	Total of Material Disposed	**510.95**

Notes:
(1) Net weights established at the disposal facility

Table 6a - NPDES non-PCB Sampling Results for Water Treatment System
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per billion, ppb)

Sample ID	H2-WW000001-0-4M23	H2-WW000002-0-4M23	H2-WW000003-0-4M23	NPDES Permit Regulatory Effluent Limits
Sample type	Influent	Intermediate	Effluent	
Date Collected	03/23/2004	03/23/2004	03/23/2004	
Analyte				
APP IX SEMIVOLATILES				
2-METHYLNAPHTHALENE	**43.0**	ND	ND	**100**
ACENAPHTHENE	**17.0 J**	ND	ND	**100**
ACENAPTHYLENE	**13.0 J**	ND	ND	**100**
ANTHRACENE	**4.2 J**	ND	ND	**100**
BUTYLBENZYLPHTHALATE	**0.63 J**	ND	ND	**100**
DIBENZOFURAN	**4.2 J**	ND	ND	**100**
FLUORANTHENE	**3.3 J**	ND	ND	**100**
FLUORENE	**16.0 J**	ND	ND	**100**
NAPHTHALENE	**150**	ND	ND	**100**
PHENANTHRENE	**28.0**	ND	ND	**100**
PYRENE	**4.0 J**	ND	ND	**100**
APP IX VOLATILES				
1,2,4-TRICHLOROBENZENE	**0.45 J**	ND	ND	**70**
1,4-DICHLOROBENZENE	**0.84 J**	ND	ND	**100**
ACETONE	**4.7 J**	ND	**2.2 J**	**100**
BENZENE	**0.54 J**	ND	ND	**5***
CHLOROBENZENE	**2.8**	ND	ND	**100**
CHLOROFORM	**0.52 J**	**0.34 J**	ND	**100**
CIS-1,2-DICHLOROETHENE	**2.9**	ND	ND	**N/A**
ETHYL BENZENE	**1.9**	ND	ND	**N/A**
M,P-XYLENE (SUM OF ISOMERS)	**4.5**	ND	ND	*****
NAPHTHALENE	**200**	ND	ND	**100**
O-XYLENE	**2.0**	ND	ND	*****
STYRENE	**0.49 J**	ND	ND	**N/A**
TERT-BUTYL METHYL ETHER	**0.72 J**	**2.9**	**6.0**	**70**
TOLUENE	**0.61 J**	ND	ND	*****
TRICHLOROETHYLENE (TCE)	**1.0**	ND	ND	**5**
VINYL CHLORIDE	**0.69 J**	ND	ND	**N/A**
XYLENES (TOTAL)	**6.7**	ND	ND	*****

NOTES:
Intermediate - sample collected between carbon units which are being operated in series.
Only detected constituents are summarized
ND - not detected

Table 6- NPDES Sampling Results for Water Treatment System
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-4A21	Influent	4/21/2004	ND(0.040)	ND(0.040)	**0.10**	**0.38**	**0.48**
H2-WW000002-0-4A21	Intermediate	4/21/2004	ND(0.013)	ND(0.013)	**0.062**	**0.025**	**0.087**
H2-WW000003-0-4A21	Effluent	4/21/2004	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)
Action Level	**Effluent**		**0.50**	**0.50**	**0.50**	**0.50**	**0.50**

Notes:
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
Intermediate - sample collected between carbon units which are being operated in series.
4/21/04 - monthly sampling

Table 7 - Daily Air Monitoring Results
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/1/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/2/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/5/2004	Background	N/A	N/A
	Upwind	**	**
	Downwind	**	**
4/6/2004	Background	**	**
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/7/2004	Background	N/A	N/A
	Upwind	**	**
	Downwind	**	**
4/8/2004	Background	**	**
	Upwind	**	**
	Downwind	**	**
4/9/2004	Background	**	**
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/12/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/13/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/14/2004	Background	N/A	N/A
	Upwind	0.002	5
	Downwind	0.020	5
4/15/2004	Background	0.009	5
	Upwind	--	--
	Downwind	--	--
4/16/2004	Background	--	--
	Upwind	0.007	11
	Downwind	0.021	11
4/19/2004	Background	0.014	11

Table 7 - Daily Air Monitoring Results
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
	Upwind	0.001	5
	Downwind	0.000	5
4/20/2004	Background	0.005	5
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/21/2004	Background	N/A	N/A
	Upwind	--	
	Downwind	0.019	10
4/22/2004	Background	0.014	10
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/23/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
4/26/2004	Background	N/A	N/A
	Upwind	0.000	8
	Downwind	0.013	7
4/27/2004	Background	0.006	8
	Upwind	--	--
	Downwind	--	--
4/28/2004	Background	--	--
	Upwind	0.000	11
	Downwind	0.005	11
4/29/2004	Background	0.000	11
	Upwind	0.000	9
	Downwind	0.007	9
4/30/2004	Background	0.000	9
notification level		**0.120**	
action level		**0.150**	

Notes:
N/A - Not available due to precipitation
--- - No reading due to technical difficulties with monitoring equipment
** - No work performed due to elevated water levels

Table 8 - Daily Water Column Turbidity Monitoring Results
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date	Flow at Coltsville (cfs)	Location	Turbidity			Temperature Average (^{o}C)
			Average	High	Low	
		Upstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
4/1/2004	944	Downstream of Pomeroy Avenue Bridge	-5.0	-4.5	-5.4	3.61
		Upstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
4/2/2004	1360	Downstream of Pomeroy Avenue Bridge	-5.2	-4.6	-5.4	2.99
		Upstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
4/3/2004	504	Downstream of Pomeroy Avenue Bridge	-5.3	-5.1	-5.4	3.36
		Upstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
4/4/2004	350	Downstream of Pomeroy Avenue Bridge	-5.4	-5.3	-5.4	4.60
		Upstream of Lyman Street Bridge	140.6	317.1	76.0	N/A
4/5/2004	296	Downstream of Pomeroy Avenue Bridge	-0.5	55.9	-5.2	3.09
		Upstream of Lyman Street Bridge	47.3	76.0	36.9	2.37
4/6/2004	239	Downstream of Pomeroy Avenue Bridge	0.5	35.6	-5.3	2.45
		Upstream of Lyman Street Bridge	47.3	76.0	36.9	3.34
4/7/2004	215	Downstream of Pomeroy Avenue Bridge	11.2	55.6	-5.2	3.53
		Upstream of Lyman Street Bridge	17.6	19.9	14.7	4.64
4/8/2004	174	Downstream of Pomeroy Avenue Bridge	16.0	38.0	-4.8	4.63
		Upstream of Lyman Street Bridge	10.1	10.8	9.4	5.39
4/9/2004	150	Downstream of Pomeroy Avenue Bridge	2.2	31.9	-5.0	5.54
		Upstream of Lyman Street Bridge	7.0	9.3	6.2	5.69
4/10/2004	117	Downstream of Pomeroy Avenue Bridge	-4.3	0.6	-5.0	5.80
		Upstream of Lyman Street Bridge	5.3	6.2	4.8	6.24
4/11/2004	108	Downstream of Pomeroy Avenue Bridge	-4.8	-4.7	-5.0	6.36
		Upstream of Lyman Street Bridge	4.9	6.1	4.4	6.98
4/12/2004	102	Downstream of Pomeroy Avenue Bridge	-4.8	-4.6	-4.9	7.06
		Upstream of Lyman Street Bridge	3.8	4.5	3.6	6.63
4/13/2004	185	Downstream of Pomeroy Avenue Bridge	-4.7	-4.6	-4.9	6.86
		Upstream of Lyman Street Bridge	4.4	4.9	4.1	5.88
4/14/2004	410	Downstream of Pomeroy Avenue Bridge	-4.4	-3.1	-4.7	5.98
		Upstream of Lyman Street Bridge	3.7	4.1	3.4	6.88
4/15/2004	231	Downstream of Pomeroy Avenue Bridge	-2.5	10.4	-4.9	6.94
		Upstream of Lyman Street Bridge	3.2	3.8	2.9	6.92
4/16/2004	157	Downstream of Pomeroy Avenue Bridge	1.4	13.1	-4.8	7.42
		Upstream of Lyman Street Bridge	3.3	3.4	3.1	8.34
4/17/2004	132	Downstream of Pomeroy Avenue Bridge	-4.6	-4.1	-4.7	8.57
		Upstream of Lyman Street Bridge	3.2	4.4	2.7	11.06
4/18/2004	118	Downstream of Pomeroy Avenue Bridge	-3.1	11.9	-4.5	11.10
		Upstream of Lyman Street Bridge	3.1	5.0	2.6	11.89
4/19/2004	109	Downstream of Pomeroy Avenue Bridge	-2.9	12.5	-4.4	12.02

Date	Flow at Coltsville (cfs)	Location	Turbidity			Temperature Average (^{o}C)
			Average	High	Low	
4/20/2004	99	Upstream of Lyman Street Bridge	2.8	4.4	2.4	13.50
		Downstream of Pomeroy Avenue Bridge	-2.4	13.2	-4.0	13.56
4/21/2004	91	Upstream of Lyman Street Bridge	4.2	5.3	3.1	12.51
		Downstream of Pomeroy Avenue Bridge	-2.9	10.0	-4.2	12.63
4/22/2004	84	Upstream of Lyman Street Bridge	5.1	6.9	4.1	12.26
		Downstream of Pomeroy Avenue Bridge	-4.1	-3.9	-4.3	12.45
4/23/2004	112	Upstream of Lyman Street Bridge	4.5	5.4	3.2	12.94
		Downstream of Pomeroy Avenue Bridge	-3.4	-0.9	-3.9	14.03
4/24/2004	130	Upstream of Lyman Street Bridge	3.1	4.0	2.6	10.99
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
4/25/2004	99	Upstream of Lyman Street Bridge	4.2	5.9	3.2	10.76
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
4/26/2004	211	Upstream of Lyman Street Bridge	3.4	4.7	2.5	9.55
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
4/27/2004	351	Upstream of Lyman Street Bridge	2.9	4.0	2.1	10.03
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
4/28/2004	209	Upstream of Lyman Street Bridge	2.9	3.8	2.4	9.11
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
4/29/2004	145	Upstream of Lyman Street Bridge	3.0	4.9	2.2	8.89
		Downstream of Pomeroy Avenue Bridge	-12.1	-8.6	-13.1	9.28
4/30/2004	117	Upstream of Lyman Street Bridge	3.7	6.9	3.2	12.87
		Downstream of Pomeroy Avenue Bridge	-13.2	-13.1	-13.3	13.10

Notes:

Turbidity Action Level - Average Downstream (Elm Street) ≥ Average Upstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe

N/A - Technical difficulties with equipment.

Lyman Street probe was returned from the manufacturer and returned to the river on 4/5/04

Pomeroy Ave. Stilling well was dislodged during elevated water beginning on 4/1/04. It was repaired without incident on 4/8/04, and dislodged again on 4/13-14/04. The stilling well filled with sediment. The unit was retieved on 4/26 and recalibrated. Subsequent readings show that there may be further damage.

Table 9 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (^{o}C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	04/07/04	215	NS	NS	NS	NS	NS	NS	H0-SW000054-0-4A07	NS	NS	NS
Downstream of Lyman St. Bridge	04/07/04	215	76.0	36.9	47.3	3.39	NS	NS	H2-SW000055-0-4A07	ND(0.013)	ND(0.013)	**6.1**
Downstream of Pomeroy Ave. Bridge	04/07/04	215	55.6	-5.2	11.2	3.78	277.1	261.2	H2-SW000052-0-4A07	ND(0.013)	ND(0.013)	**3.8**
Downstream of Pomeroy Ave. Bridge (duplicate)	04/07/04	215	55.6	-5.2	11.2	3.78	277.1	261.2	H2-SW000052-1-4A07	ND(0.013)	NS	NS
Upstream of Newell St. Bridge	04/21/04	91	NS	NS	NS	NS	*	*	H0-SW000054-0-4A21	ND(0.013)	ND(0.013)	**3.7**
Downstream of Lyman St. Bridge	04/21/04	91	5.3	3.1	4.2	12.45	NS	NS	H2-SW000055-0-4A21	ND(0.013)	ND(0.013)	**2.0**
Downstream of Pomeroy Ave. Bridge	04/21/04	91	N/A	N/A	N/A	12.84	107.5	110.4	H2-SW000052-0-4A21	**0.021**	ND(0.013)	**3.5**

Notes:
PCB Action Level - Downstream (Pomeroy Avenue) $\geq$ Upstream (Lyman Street) + 5 ug/L
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
cfs - Cubic feet per second
ntu - nephelometric turbidity units
NS - Not Sampled
Temperature measured YSI 600 oms system.
Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.
Water column samples were collected as 4 grab composite samples.
Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.
* Water levels not recorded at the staff gages on 4/21/04, therefore flow measurements not available. Newell Street gage dislodged due to ice.
NR - Not yet reported
Pomeroy Ave. Stilling well was dislodged during elevated water beginning on 4/1/04. It was repaired without incident on 4/8/04, and dislodged again on 4/13-14/04. The stilling well filled with sediment. The unit was retieved on 4/26 and recalibrated. Subsequent readings show that there may be further damage.

Table 10 - Equipment Confirmatory Wipe Samples
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000155-0-4A19	19-Apr-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000156-0-4A19	19-Apr-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000157-0-4A19	19-Apr-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000158-0-4A19	19-Apr-04	ND(0.5)	ND(0.5)	**0.80**	**0.80**
H2-XI000159-0-4A19	19-Apr-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000160-0-4A27	27-Apr-04	ND(0.5)	**1.3**	ND(0.5)	**1.3**
H2-XI000161-0-4A27	27-Apr-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000162-0-4A29	29-Apr-04	ND(1.5)	ND(1.5)	**9.6**	**9.6**
H2-XI000163-0-4A29	29-Apr-04	ND(0.5)	ND(0.5)	**1.0**	**1.0**

Notes:

PCB Action Level - 10.0 μg/100 cm^2

ND(0.5) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 11 - PCB Air Sampling Results
April 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/m^3)

Sample ID	Location*	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260
H2-AR000007-0-4A21	background	21-Apr-04	NR	NR	NR	NR
H2-AR000030-0-4A21	AR000030	21-Apr-04	NR	NR	NR	NR
H2-AR000032-0-4A21	AR000032	21-Apr-04	NR	NR	NR	NR
H2-AR000033-0-4A21	AR000033	21-Apr-04	NR	NR	NR	NR
H2-AR000033-1-4A21(duplicate)	AR000033	21-Apr-04	NR	NR	NR	NR
H2-AR000034-0-4A21	AR000034	21-Apr-04	NR	NR	NR	NR

Notes:
Notification Level: 0.05μg/m^3
Action Level: 0.1μg/m^3
* - See Figure 1 for locations
NR - Not yet reported

Total PCBs
NR
NR
NR
NR
NR
NR

Table 12 - Water Treatment System Modutank Sediment Material Characterization Testing Results
April 2004 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Sample ID	H2-OT000106-0-4A06
Sample type	stockpile material characterization
Date Collected	04/06/2004
Stockpile Location	Building 68 Modutank Material
Analyte	
PCBS	
AROCLOR-1248 (mg/kg)	**43.0 J**
AROCLOR-1254 (mg/kg)	**62.0**
AROCLOR-1260 (mg/kg)	**33.0**
PCB, TOTAL (mg/kg)	**140.0**
APP IX SEMIVOLATILES	
1,2,4-TRICHLOROBENZENE (mg/kg)	**0.14 J**
1,3-DICHLOROBENZENE (mg/kg)	**0.097 J**
1,4-DICHLOROBENZENE (mg/kg)	**0.27 J**
2-METHYLNAPHTHALENE (mg/kg)	**4.2**
4-METHYLPHENOL (mg/kg)	**0.13 J**
ACENAPHTHENE (mg/kg)	**4.7**
ACENAPTHYLENE (mg/kg)	**1.7**
ACETOPHENONE (mg/kg)	**0.17 J**
ANTHRACENE (mg/kg)	**8.6**
BENZO(A)ANTHRACENE (mg/kg)	**7.2**
BENZO(A)PYRENE (mg/kg)	**6.4**
BENZO(B)FLUORANTHENE (mg/kg)	**3.9 J**
BENZO(GHI)PERYLENE (mg/kg)	**3.7**
BENZO(K)FLUORANTHENE (mg/kg)	**4.5**
BIS(2-ETHYLHEXYL) PHTHALATE (mg/kg)	**1.9**
CHRYSENE (mg/kg)	**6.8**
DIBENZO(A,H)ANTHRACENE (mg/kg)	**0.97**
DIBENZOFURAN (mg/kg)	**1.7**
FLUORANTHENE (mg/kg)	**12.0**
FLUORENE (mg/kg)	**4.8**
INDENO(1,2,3-C,D)PYRENE (mg/kg)	**3.0**
NAPHTHALENE (mg/kg)	**3.7**
PHENANTHRENE (mg/kg)	**21.0**
PHENOL (mg/kg)	**0.15 J**
PYRENE (mg/kg)	**18.0**
APP IX VOLATILES	
CHLOROBENZENE (mg/kg)	**0.69 J**
NAPHTHALENE (mg/kg)	**4.3**
TCLP HERBICIDES	
	all Non-Detects
TCLP METALS	
ARSENIC, TCLP (mg/L)	**0.0061**
BARIUM, TCLP (mg/L)	**0.698**
CADMIUM, TCLP (mg/L)	**0.0062**
CHROMIUM, TCLP (mg/L)	**0.0015**
LEAD, TCLP (mg/L)	**0.111**
TCLP PESTICIDES	
	all Non-Detects
TCLP SEMIVOLATILES	
	all Non-Detects
TCLP VOLATILES	
CHLOROBENZENE, TCLP (mg/L)	**0.0094 J**

Table 12 - Water Treatment System Modutank Sediment Material Characterization Testing Results
April 2004 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Sample ID	H2-OT000106-0-4A06
Sample type	stockpile material characterization
Date Collected	04/06/2004
Stockpile Location	Building 68 Modutank Material
Analyte	
INORGANICS	
CORROSIVITY BY PH	**7.2**
IGNITABILITY **(deg f)**	**150**
PAINT FILTER LIQUIDS **(ml)**	ABSENT
PERCENT SOLIDS **(%)**	**53.0**
SULFIDE	ND
CYANIDE	ND
ORGANIC	
PETROLEUM HYDROCARBON (mg/kg)	**350**

Notes:
Only detected constituents are summarized
ND - not detected

Photograph 1 – Riverbank Backfill Activities in Cell 14E; Placement of Structural Fill Sub-grade for the Articulated Concrete Block

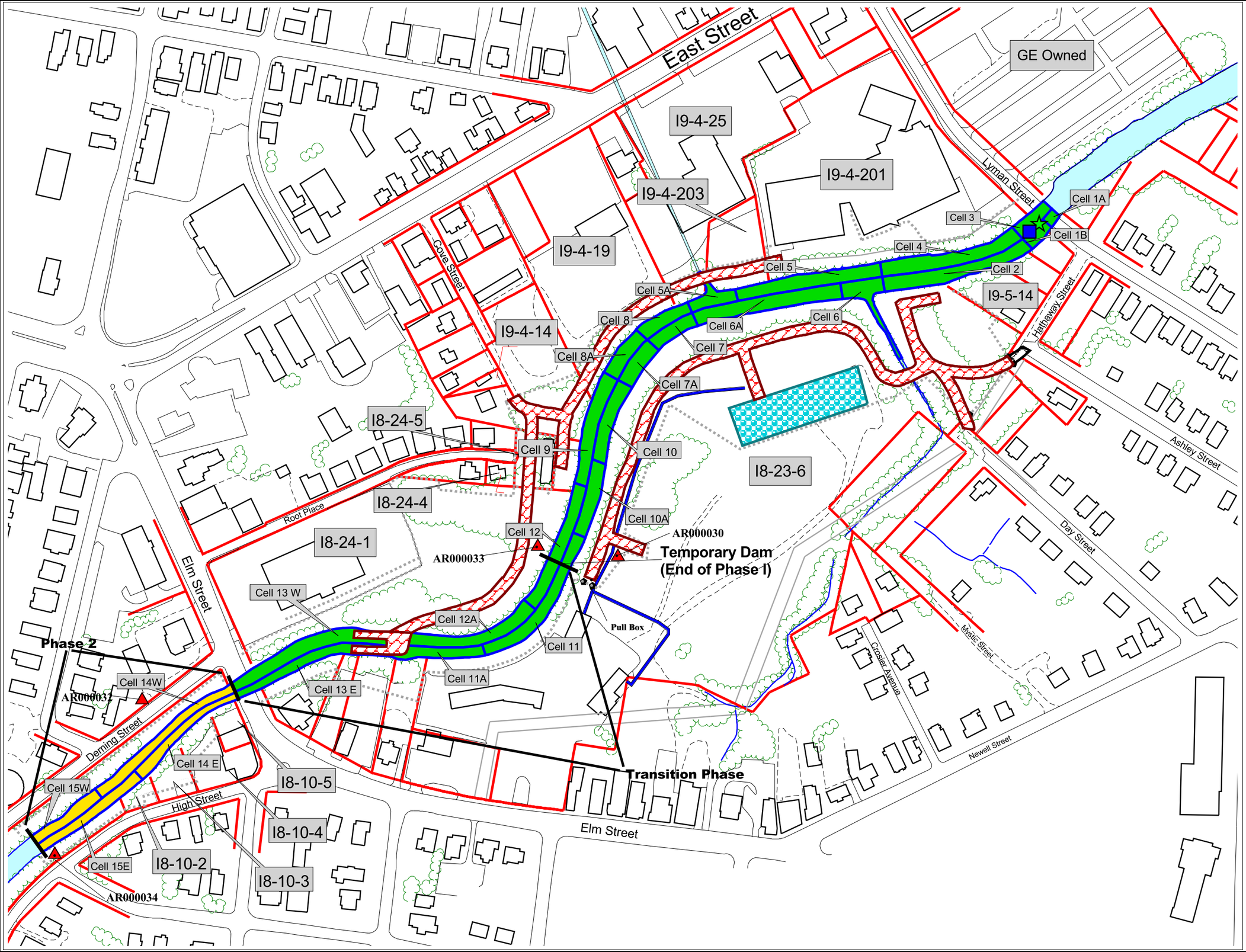
Photograph 2 –Installation of the Articulated Concrete Block in Cell 14E

Photograph 3 – Repair of the City Storm Drain on Parcel I8-23-6

Photograph 4 – Backfilling Activities in Cell 15E

Photograph 5 – Installation of the Cellular Geoweb in Cell 15E

Photograph 6 – Installation of the Articulated Concrete Block in Cell 14W



LEGEND

- Roads
- Surface Water
- Water Treatment Plant*
- Access Roads
- Asphalt Access Road
- Property Lines
- Fence line*
- Work Completed
- Work In Progress
- Turbidity Monitoring Locations
- Air Sampling Locations
- Water Monitoring Locations
- Buried Electric/Telephone Line*

*Note: As-built features were located using a real time GPS unit

N

Scale in Feet

100 0 100 200

WESTON SOLUTIONS

Figure 1
1.5 Mile Removal Action
Site Map
April 2004 Monthly Report